



# Winter Weather Highlights

January 5, 2022  
1:51 PM

## Warning Details



**Winter Storm Warning** in effect for north central mountains near Rabbit Ears Pass and I-70 Mountain Corridor until 12 PM Thursday; Northern and Northeast Plains til 3 am Thurs

**Winter Weather Advisory** in effect for parts of the valleys until 12 PM Thursday, I-25 Urban Corridor & eastern plains until 3 am Thursday.

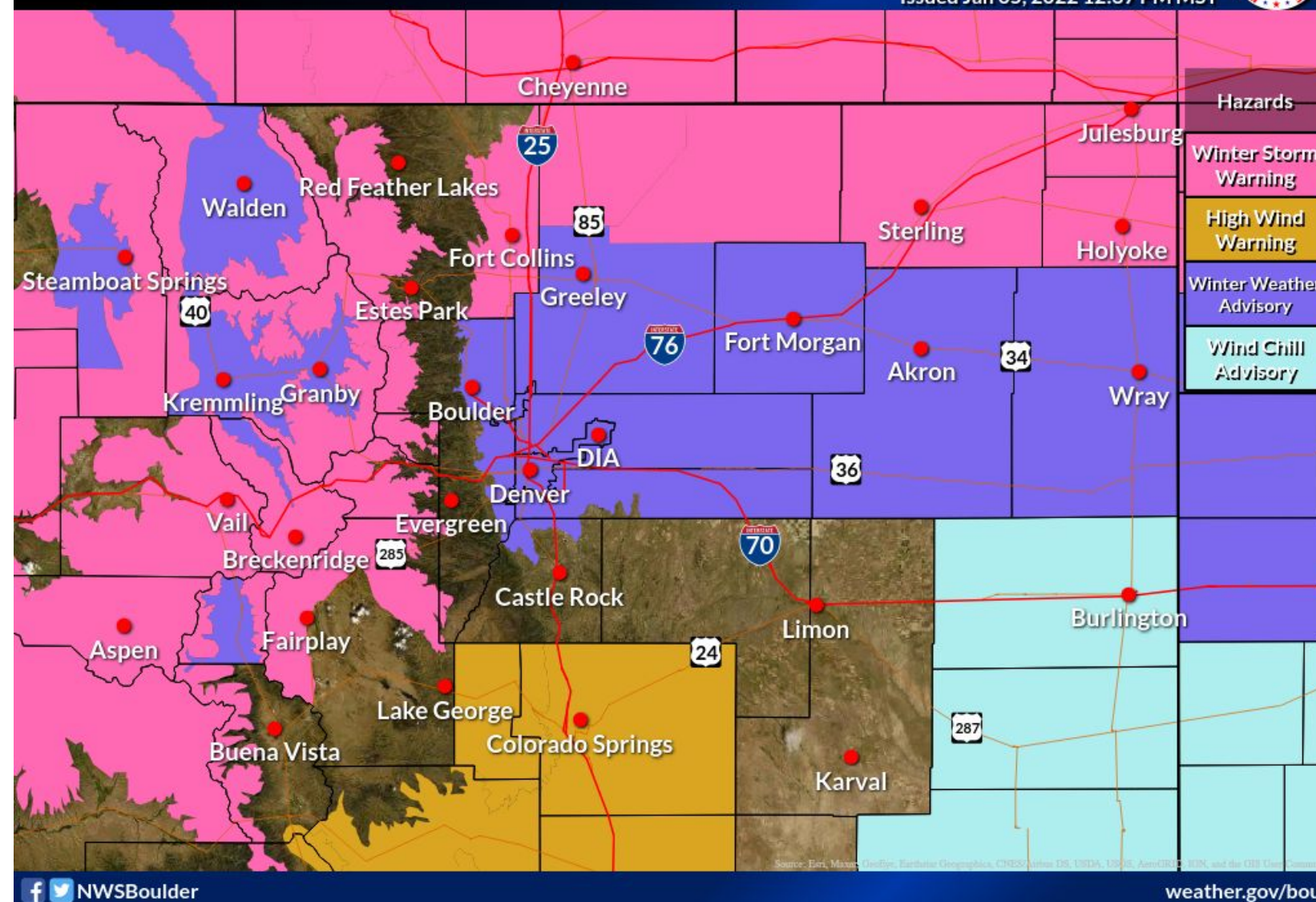
**Wind Chill Advisory** in effect for parts of the eastern plains 11 PM Wednesday to 8 AM Thursday morning.

## Updates

- Winter Storm Warning now in effect for the Northern and Northeast Plains
- Winter Weather Advisory now in effect for Urban Corridor
- **Impacts** to evening commute in urban corridor for slippery conditions and slow travel.

## Updated Warnings and Advisories

Weather Forecast Office  
Denver/Boulder  
Issued Jan 05, 2022 12:37 PM MST



## Current Warnings, Watches, and Advisories



National Oceanic and  
Atmospheric Administration  
U.S. Department of Commerce

National Weather Service  
Denver, CO





# Snowfall Amounts, Timing, Impacts

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## Forecast Confidence Levels

### Timing

Low

Medium

High

East Central Plains & foothills snow begins Wednesday evening, ongoing northern plains. Mountain snow through Thursday.

### Snow Amounts

Low

Medium

High

Total snowfall up to two feet mountains; 3-5" in/next to foothills, 2-4" urban corridor; 4-10" northern plains, elsewhere 2-6" plains.

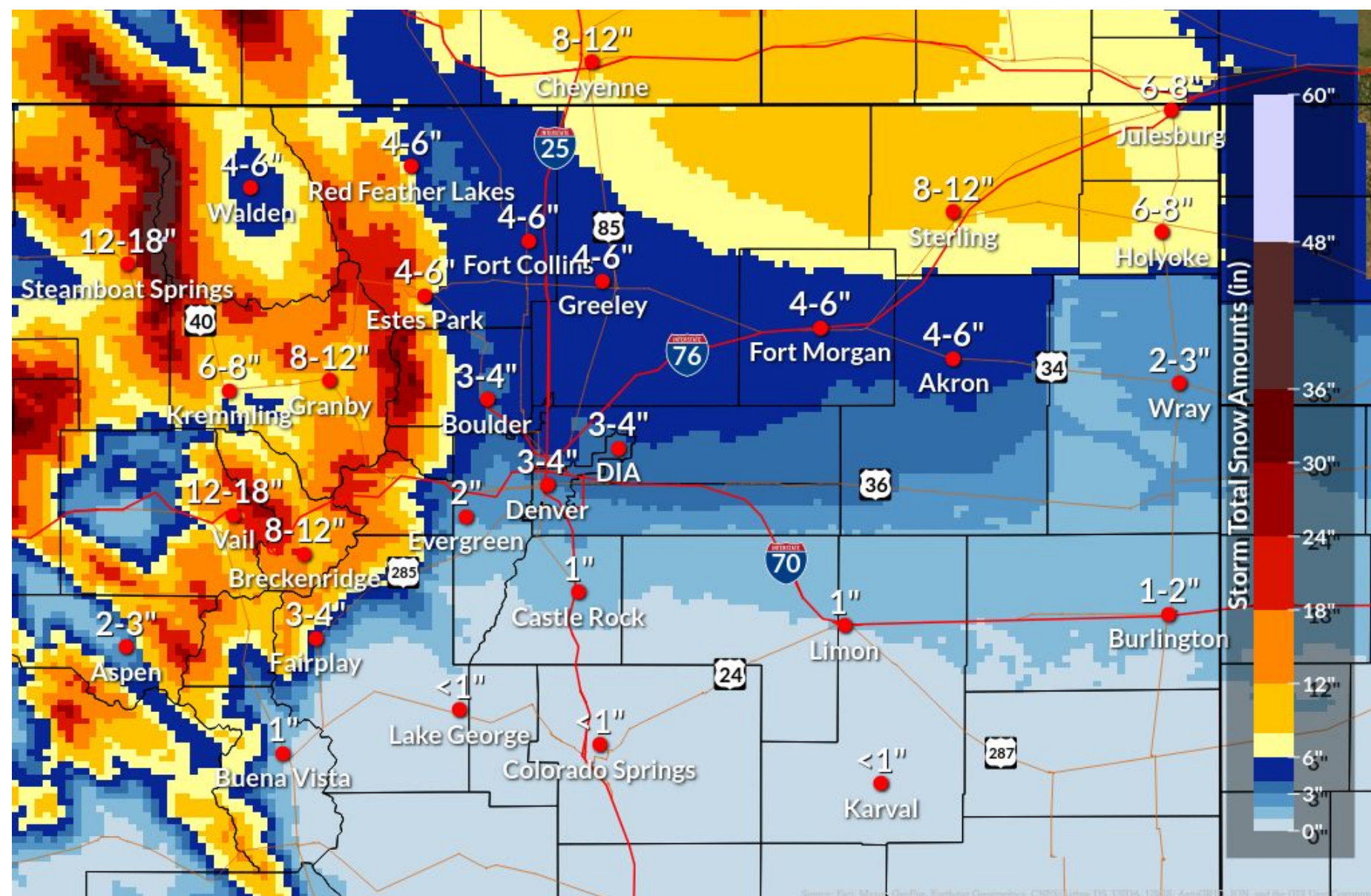
### Travel Impacts

Low

Medium

High

Slippery roads for evening commute. Worst travel conditions in the mountains.



Additional Snowfall Amounts through 5 am Fri



National Oceanic and  
Atmospheric Administration  
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National Weather Service  
Denver, CO





# Cold Wind Chills

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## Key Points:



A **Wind Chill Advisory** is in effect for parts of the eastern plains starting 11 PM Wednesday until 8 AM Thursday morning.



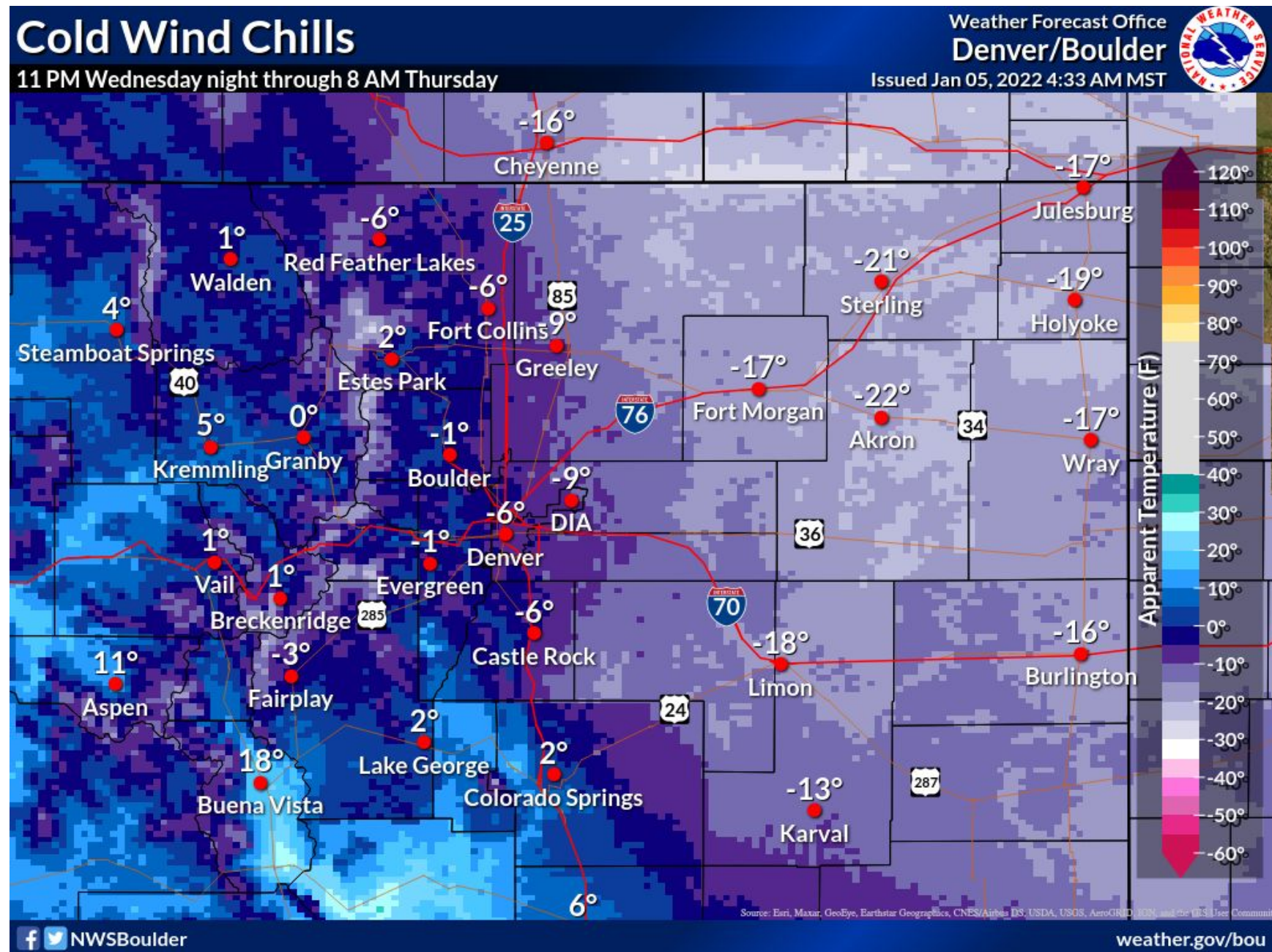
The combination of wind and cold temperatures will create dangerously low wind chill values.

## Impacts:



DRESS IN  
WARM LAYERS

Exposed skin may become quickly frostbitten or frozen. The dangerously cold wind chills could cause frostbite on exposed skin in as little as 30 minutes.



National Oceanic and  
Atmospheric Administration  
U.S. Department of Commerce

National Weather Service  
Denver, CO



# Weather Impacts

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## Graphical Hazards Matrix

	Wed 6 PM-12 AM	Thu 12 AM-6 AM	Thu 6 AM-12 PM	Thu 12 PM-6 PM
Denver				
Fort Collins				
Foothills				
Mountains				
Plains				

### - About This Graphic -

The hazard matrix depicts timing and magnitude of potential impacts to local travel and infrastructure from snowfall rates and/or amounts, blowing snow, ice, and cold temperatures.

Potential aggravating factors such as time of day, pre-existing conditions, and holiday travel periods are also taken into consideration.

Impact Level	Little/None	Limited	Elevated	Significant	Extreme
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# Safety Information

Always dress appropriately!

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## Wind Chill Chart



		Temperature (°F)																		
		Calm	40	35	30	25	20	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
Wind (mph)	5	36	31	25	19	13	7	1	-5	-11	-16	-22	-28	-34	-40	-46	-52	-57	-63	
	10	34	27	21	15	9	3	-4	-10	-16	-22	-28	-35	-41	-47	-53	-59	-66	-72	
	15	32	25	19	13	6	0	-7	-13	-19	-26	-32	-39	-45	-51	-58	-64	-71	-77	
	20	30	24	17	11	4	-2	-9	-15	-22	-29	-35	-42	-48	-55	-61	-68	-74	-81	
	25	29	23	16	9	3	-4	-11	-17	-24	-31	-37	-44	-51	-58	-64	-71	-78	-84	
	30	28	22	15	8	1	-5	-12	-19	-26	-33	-39	-46	-53	-60	-67	-73	-80	-87	
	35	28	21	14	7	0	-7	-14	-21	-27	-34	-41	-48	-55	-62	-69	-76	-82	-89	
	40	27	20	13	6	-1	-8	-15	-22	-29	-36	-43	-50	-57	-64	-71	-78	-84	-91	
	45	26	19	12	5	-2	-9	-16	-23	-30	-37	-44	-51	-58	-65	-72	-79	-86	-93	
	50	26	19	12	4	-3	-10	-17	-24	-31	-38	-45	-52	-60	-67	-74	-81	-88	-95	
	55	25	18	11	4	-3	-11	-18	-25	-32	-39	-46	-54	-61	-68	-75	-82	-89	-97	
	60	25	17	10	3	-4	-11	-19	-26	-33	-40	-48	-55	-62	-69	-76	-84	-91	-98	

Frostbite Times

30 minutes

10 minutes

5 minutes

Wind Chill (°F) = 35.74 + 0.6215T - 35.75(V<sup>0.16</sup>) + 0.4275T(V<sup>0.16</sup>)

Where, T= Air Temperature (°F) V= Wind Speed (mph)

Effective 11/01/01

### Winter Storm Warning

Dangerous winter weather is expected within the next **12 to 36 hours** or is occurring. **Considerable travel problems** are expected.

take action.

### Winter Weather Advisory

Potentially dangerous winter weather is expected within the next **12 to 36 hours** or is occurring. **Travel difficulties** are expected.

be aware.





# County Information

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